

**STATEMENT OF WORK**  
**Pipeline (516)**  
**Wyoming**

**These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.**

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**DESIGN****Deliverables:**

1. Design surveys and investigations
  - A. Profile along centerline of pipeline
  - B. Detailed topography at structure locations
  - C. Pertinent water surface elevations, well elevation, and depth to water
  - D. Soils investigations
2. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
  - A. Practice purpose(s) as identified in the conservation plan.
  - B. List of required permits to be obtained by the client.
  - C. Impacts on adjacent properties and structures.
  - D. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06).
  - E.
  - F. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Capacity of pipeline based on needs
    - ii. Hydraulic design of pipeline and appurtenances
    - iii. Materials
    - iv. Climatic Considerations (e.g. freezing)
    - v. Vegetation (See practice standard 342-Critical Area Planting)
3. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
  - A. Plan view of pipeline showing trough and/or tank locations and well location as needed
  - B. Location Map
  - C. Pipeline profile
  - D. Structural layouts
  - E. Location, size, and type of appurtenances for pipeline, trough and/or tank, and well as needed
  - F. Pipeline diameter, class or rating
  - G. Water well details, i.e. casing size, type and rating, and screen type and size, and wellhead protection
  - H. Details of installation requirements
  - I. Table of quantities
4. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).
5. Operation and Maintenance Plan
6. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b)(2)).
7. Design modifications during installation as required.

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**INSTALLATION****Deliverables**

1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
  - A. Centerline alignment
  - B. Appurtenance location
  - C. Trough and/or tank location
4. Installation inspection (according to inspection plan as appropriate).

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- A. Actual materials used.
  - B. Inspection records
  - C. Pipeline profile and depth
  - D. Pipe length, diameter, type, and rating or class
  - E. Size and location and type of appurtenances for pipeline, trough and/or tank
5. Facilitate and implement required design modifications with client and original designer.
  6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
  7. Certification that the installation process and materials meets design and permit requirements.

## **CHECK OUT**

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### **Deliverables**

1. As-Built documentation.
  - A. Extent of practice units applied
  - B. Drawings
  - C. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03(c)(1)).
3. Progress reporting.

## **REFERENCES**

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- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Pipeline, 516
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook